

# FMC0101143LF-12 **DATA SHEET**



The type N male to type N male 12 inch cable using RG-142 coax, part number FMC0101143LF-12, from Fairview Microwave is in-stock and ships same day. This Fairview type N to type N cable assembly has a male to male gender configuration with 50 ohm flexible RG-142 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC0101143LF-12 type N male to type N male cable assembly operates to 8 GHz. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other RF cable assembly value added services including connector orientation or clocking, heat shrink booting and labeling are also available. RF testing can also be performed to document the electrical performance of your cable assembly.

## **Electrical Specifications**

Description	Min	Т	ур	Max	ι	Inits
Frequency Range	DC			8		GHz
VSWR				1.35:1		
Velocity of Propagation		7	70			%
Capacitance		29.39	[96.42	<u>!]</u>	pF/f	t [pF/m]

#### **Mechanical Specifications**

#### **Cable Assembly**

Length\* 12 in [304.8 mm] Weight

#### Cable

Cable Type **Impedance** Inner Conductor Type Inner Conductor Material and Plating Dielectric Type Number of Shields Shield Layer 1 Shield Layer 2

Jacket Material Jacket Diameter 0.2 lbs [90.72 g]

RG-142 50 Ohms Solid

Copper Clad Steel, Silver

PTFE

Silver Plated Copper Braid Silver Plated Copper Braid

FEP, Tan

0.195 in [4.95 mm]



# **Configuration:**

- N Male
- N Male
- RG-142

#### Features:

- Max Frequency 8 GHz
- 70% Phase Velocity
- Double Shielded
- FEP Jacket

# **Applications:**

- General Purpose
- Laboratory Use

Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056 Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689 www.fairviewmicrowave.com sales@fairviewmicrowave.com





#### **Connectors**

Description	Connector 1	Connector 2		
Туре	N Male	N Male		
Configuration	Straight	Straight		
Impedance	50 Ohms	50 Ohms		
Contact Material & Plating	Brass, Gold	Brass, Gold		
Contact Plating Spec.	MIL-G-45204	MIL-G-45204		
Dielectric Type	PTFE	PTFE		
Body Material & Plating	Brass, Nickel	Brass, Nickel		
Body Plating Spec.	QQ-N-290	QQ-N-290		

## **Environmental Specifications**

**Temperature** 

Operating Range

-55 to +200 deg C

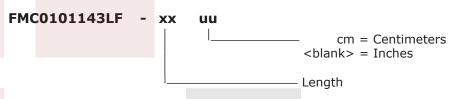
**Compliance Certifications** (see product page for current document)

## **Plotted and Other Data**

Notes:

#### **How to Order**

Part Number Configuration:



Example: FMC0101143LF-12 = 12 inches long cable

FMC0101143LF-100cm = 100 cm long cable

N Male to N Male Cable RG-142 Coax in 12 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: N Male to N Male Cable RG-142 Coax in 12 Inch FMC0101143LF-12

URL: https://www.fairviewmicrowave.com/standard-n-male-n-male-cable-rg142-coax-fmc0101143lf-12-p.aspx

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.

301 Leora Ln., Suite 100, Lewisville, TX 75056 | Tel: 1-800-715-4396 / (972) 649-6678 / Fax: (972) 649-6689

Copyright © 2020 REV 1.2 P

REV 1.2 Page 2 of 3





